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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,841	01/08/2004	Raghu Anantharangachar	700205008-1	6035

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HEWLETT PACKARD COMPANY  
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INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER
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SALAD, ABDULLAHI ELMI

ART UNIT	PAPER NUMBER
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2157

MAIL DATE	DELIVERY MODE
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08/10/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/753,841	<b>Applicant(s)</b> ANANTHARANGACHAR ET AL.	
	<b>Examiner</b> Salad E. Abdullahi	<b>Art Unit</b> 2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☐ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**Response**

1. The response filed on 5/25/2007 has been received and made of record.
2. Applicant's arguments with respect to claims 1-27 have been fully considered but are moot in view of new grounds of rejection

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wiles, Jr. U.S. Patent Application Publication No. 2003/0055883 [Wiles] in view of Feldman U.S. Patent Application Publication No. 2002/0021675 [hereinafter Feldman]

As per claim 1, Wiles, Jr. a method of modeling a communications network using a computer system, the method including:

generating a network representation using computer-readable code, the computer-readable code representing structured information;

parsing the network representation (see paragraph 0156);

generating representation (see paragraph 0184 and 0275), including a plurality of network objects and relationships between the plurality of network objects (see fig. 5 and paragraph 0065 and 0286); and

storing the network model in memory(see paragraph 0385).

Wiles is silent regarding: generating a network model using the parsed network representation.

Feldman in an analogous art discloses generating a network model using the parsed network representation (see fig. 4 element 450 and paragraph 0048). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to utilize the network data model generation mechanism as taught by Feldman because the data model provides a network-wide view of the topology and configuration, which is crucial for a variety of network engineering tasks.

As per claim 2, Wiles, Jr. discloses method according to claim 1, further comprising processing a network event using the network model, wherein processing the network event includes identifying one or more of the plurality of network objects, and determining an order of operation on the one or more of the plurality of network objects (see paragraph 0184 and 0275).

As per claim 3, Wiles, Jr. discloses a method according to claim 1 wherein the network representation includes at least one of the following: circuit level index; circuit type identification; order of operation indication; delete circuit identification; underlying circuit index; underlying link index; delete object identification; parent circuit identification; and child circuit identification (see paragraph 0154).

As per claims 4-5, Wiles, Jr.. discloses a method according to claim 2 wherein the network representation is generated at startup (see paragraph 0144).

As per claims 6, Wiles, Jr. discloses a method according to claim 2 wherein the network event comprises at least one of provisioning, circuit provisioning, service provisioning, switch provisioning, rollback, and delete (see paragraph 0155).

As per claims 7, Wiles, Jr. discloses a method according to claim 1 wherein the network model includes a middleware bus(see paragraph 0122).

As per claims 8, Wiles, Jr. discloses a method according to claim 1 wherein the computer-readable code is in extensible mark-up language (XML)(see paragraph 0109).

As per claims 9, Wiles, Jr. discloses a method according to claim 2 wherein processing the network event includes: identifying one or more of the network objects in the network model; and  
determining an order of operation on the one or more network objects (see fig. 5 and see paragraph 0065).

As per claims 10, Wiles, Jr. discloses A method according to claim 1, further including:  
generating a graphical representation of the network model(see fig. 5 and 0065); and

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displaying the graphical representation on a display monitor (see paragraph 0075).

As per claims 11, Wiles, Jr. discloses a method according to claim 10 wherein the graphical representation is a graphical user interface, and wherein the graphical user interface is used to modify the network model. (see paragraph 0031

As per claims 12-27, the claims include features similar with features in claims 1-11 discussed above. Thus claims 12-27 are rejected same rational as claims 1-11.

### **CONCLUSION**

4. The prior art made of record and not relied upon is considered pertinent to the applicant's disclosure.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Salad E Abdullahi whose telephone number is **571-272-4009**. The examiner can normally be reached on 8:30 - 5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-305-4792. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

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6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abdullahi Salad  
Examiner AU 2157  
8/5/2007

  
ABDULLAHI SALAD  
PRIMARY EXAMINER